

Lesson Learned 5
INCIDENT INVESTIGATION

Incident Investigation..a process to:

- prevent incidents and injuries
- determine facts and identify root causes
- analyze the incident to determine management systems failures
- develop/modify systems and procedures to prevent reoccurrence
- communicate lessons learned

Incident: (July 23,) Resource Management Seasonal was setting up a mosquito trap, which involves the use of a 6-volt lead acid battery, the employee was shocked, causing electrical shock burns to four fingers on one hand and one finger on the other hand. Employee did go to hospital but was released and advised to take a day or two off. Employee reported feeling fine when he returned to work with limited sensation in his injured fingers.

Investigative team formed to conduct investigation.

What are the root causes of this incident?

- *no pre-inspection of equipment/wiring – no training in place for pre-inspection of this equipment*
- *no JHA in place for check-list/use of equipment*
- *tried to save trap when he smelled smoke (with hands)*
- *failure to make use of PPE/materials needed*
- *hooking up equipment & carrying it before actual use*
- *crimped wiring to shorten the length*

What steps could be taken to prevent reoccurrence. List corrective actions.

- *pre-inspection of equipment/wiring –develop & thoroughly review JSA prior to beginning of job*
- *adding a coil spool or coil wrap for storage of cord (instead of crimping)*
- *have available a continuity tester for checking the wiring before use*
- *do not hook up equipment until ready to use*
- *do not crimp cord*
- *ensure proper storage so cords do not become frayed – pay close attention to ensuring leads are removed safely and cautiously*
- *warn all other users in NPS about this incident to prevent future reoccurrence*
- *develop a quick check-list tag to be placed on equipment storage container*
- *wear appropriate PPE (gloves)*
- *make rationale decisions when a situation occurs (i.e., let trap burn or kick wires to break connection – do not use hands)*

Management System Failures?

- *No JSA developed for this task*
- *No reporting protocol for immediate reporting of injuries and seeking medical attention right away*

Other Information:

** Ken will contact manufacturer to recommend stronger gauge of wire and more flexible cord (along with some kind of device to store the cord).*